

CLAIMS

I claim:

1. An adjuster comprising:

a housing;

5 a gear positioned inside the housing;

a control rod functionally engaged by the gear and extending from the housing; and,

at least one tang positioned outside the housing so that the at least one tang functionally engages the control rod and prevents rotation thereof such that rotation of the gear results in non-rotational linear movement of the control rod.

10 2. The adjuster of claim 1 where the at least one tang has at least one projection.

3. The adjuster of claim 2 where the control rod has at least one groove corresponding to the at least one projection such that the at least one projection functionally engages the groove thereby preventing rotation of the control rod.

15 4. The adjuster of claim 1 where the housing has a mating input shaft such that an input shaft inserted into the mating input shaft functionally engages the gear and actuation of the input shaft results in rotation of the gear and movement of the control rod.

5. The adjuster of claim 1 where the housing has a nose.

6. The adjuster of claim 5 where the at least one tang is positioned on the nose.

20 7. The adjuster of claim 5 where the gear has an extension that extends into the nose of the housing.

8. The adjuster of claim 7 where the control rod has a portion positioned inside the extension of the gear and the extension of the gear and the portion of the control rod positioned therein are counter-threaded.

9. The adjuster of claim 1 where the housing has an opening and the control rod is positioned in the opening.

10. The adjuster of claim 9 where the at least one tang is positioned outside the opening.

11. The adjuster of claim 1 where the gear has an interior, the control rod has a portion
5 positioned inside the interior of the gear, and the interior of the gear and the portion of the control rod positioned therein are counter-threaded.

12. The adjuster of claim 1 further comprising:

a lamp housing on which the housing is mounted; and,

a reflector pivotably engaged to the lamp housing and the control rod such that movement
10 of the control rod causes the reflector to move with respect to the lamp housing.

13. An adjuster assembly comprising:

a lamp housing;

a reflector pivotably positioned in the lamp housing; and,

an adjuster comprising

15 a housing;

a gear positioned inside the housing;

a control rod functionally engaged by the gear and extending from the housing;

at least one tang positioned outside the housing so that the at least one tang

functionally engages the control rod and prevents rotation thereof such that rotation of the gear

20 results in non-rotational linear movement of the control rod; and

where the adjuster is engaged to the lamp housing and the reflector such that movement of the control rod causes the reflector to move with respect to the lamp housing.

14. The adjuster assembly of claim 13 where the at least one tang has at least one projection and the control rod has at least one groove corresponding to the at least one projection so that the at least one projection functionally engages the groove thereby preventing rotation of the control rod.
- 5 15. The adjuster assembly of claim 13 where the housing has a mating input shaft such that an input shaft inserted into the mating input shaft functionally engages the gear and actuation of the input shaft results in rotation of the gear, movement of the control rod and movement of the lamp.
16. The adjuster assembly of claim 13 where the lamp housing has a lens mounted thereto.
- 10 17. An adjuster assembly comprising:
- a lamp housing having an adjuster portion;
 - a gear positioned inside the adjuster portion;
 - a control rod functionally engaged by the gear and extending from the adjuster portion; and,
 - at least one tang positioned outside the adjuster portion so that the at least one tang
- 15 functionally engages the control rod and prevents rotation thereof such that rotation of the gear results in non-rotational linear movement of the control rod.
18. The adjuster assembly of claim 17 further comprising a reflector pivotably mounted within the lamp housing and connected to the control rod such that movement of the control rod causes the reflector to move with respect to the lamp housing.
- 20 19. The adjuster assembly of claim 18 where the lamp housing has a lens mounted thereto.
20. The adjuster assembly of claim 17 where the at least one tang has at least one projection and the control rod has at least one groove corresponding to the at least one projection so that

the at least one projection functionally engages the groove thereby preventing rotation of the control rod.

21. The adjuster assembly of claim 17 where the adjuster portion of the lamp housing has a mating input shaft such that an input shaft inserted into the mating input shaft functionally engages the gear such and actuation of the input shaft results in rotation of the gear and movement of the control rod.

22. The adjuster of claim 17 where the adjuster portion of the lamp housing has a nose.

23. The adjuster of claim 22 where the at least one tang is positioned on the nose of the adjuster portion.

24. The adjuster of claim 22 where the gear has an extension that extends into the nose of adjuster portion.

25. The adjuster of claim 24 where the control rod has a portion that is positioned inside the extension of the gear and the portion of the control rod and the extension of the gear are counter-threaded.

26. The adjuster of claim 17 where the adjuster portion has an opening and the control rod is positioned in the opening.

27. The adjuster of claim 26 where the at least one tang is positioned outside the opening.

28. The adjuster of claim 17 where the gear has an interior, the control rod has a portion positioned inside the interior of the gear, and the interior of the gear and the portion of the control rod positioned therein are counter-threaded.